

In the claims:

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (canceled)
7. (canceled)
8. (canceled)

9. (previously presented) The modified pin assembly of claim 21 wherein means are provided to enable release of said engaged tumbler and driver pins.

10. (original) The modified pin assembly of claim 9 wherein said unauthorized manipulation is represented by said engaged tumbler and driver pins and said release of said engaged tumbler and driver pins indicates an attempted unauthorized manipulation.

11. (canceled)
12. (canceled)
13. (canceled)
14. (canceled)
15. (canceled)
16. (canceled)
17. (canceled)
18. (canceled)

19. (previously presented) The method of claim 22 wherein means are provided to enable release of said engaged tumbler and driver pins.

20. (original) The method of claim 19 wherein said unauthorized manipulation is represented by said engaged

tumbler and driver pins and said release of said engaged tumbler and driver pins indicates an attempted unauthorized manipulation.

21. (previously presented) A modified pin assembly in a common cylinder lock, said cylinder lock having a body and cylinder plug containing a plurality of standard pin assemblies, each of said plurality of standard pin assemblies being disposed in a pin chamber, wherein each crosses a shear line, and is linearly displaceable along said pin chamber, each standard pin assembly comprising a tumbler pin, a driver pin and a biasing spring, arranged so as to define a locked cylinder position, in which said driver pin extends beyond the shear line, preventing rotation of the cylinder plug, said tumbler pin being positioned opposite said driver pin, within said pin chamber,

wherein said modified pin assembly prevents impact-driven manipulation of said lock, said modified pin assembly comprising:

a modified pin set comprising a tumbler pin and driver pin, said modified pin set being provided with motion alteration means adapted so as to alter the magnitude of its response to an impact-driven blow applied to said tumbler pin, relative to the magnitude of the response of the standard pin assemblies contained in said common cylinder lock,

such that when said tumbler pin is linearly displaced in response to an impact-driven blow of a given intensity, a portion of said impact-driven blow intensity is transmitted to said driver pin, causing it to be linearly displaced, as well, under influence of said motion alteration means,

and while said standard pin assemblies clear the shear line, said driver pin of said modified pin set continues to block the shear line,

consequently preventing unauthorized manipulation of said cylinder lock,

wherein said motion alteration means of said modified pin assembly comprises a recession formed in one of said pins contained in said pin assembly, and a protrusion, in the other of said pins, for engaging said recession, such that when an impact-driven blow of a given intensity is applied so as to linearly displace said tumbler and driver pins, said pin protrusion engages said pin recession, strongly binding the tumbler and driver pins together.

22. (previously presented) A method for preventing unauthorized manipulation of a common cylinder lock, said common cylinder lock having a body and a cylinder plug containing a plurality of standard pin assemblies, each of said plurality of standard pin assemblies being disposed in a pin chamber, wherein each crosses a shear line, and is linearly displaceable along said pin chamber, each standard pin assembly comprising a tumbler pin, a driver pin and a biasing spring, arranged so as to define a locked cylinder position, in which said driver pin extends beyond the shear line, preventing rotation of the cylinder plug, said tumbler pin being positioned opposite said driver pin, within said pin chamber,

said method comprising:

providing a modified pin assembly in said common cylinder lock to prevent impact-driven manipulation thereof, said modified pin assembly comprising:

a modified pin set comprising a tumbler pin and driver pin, said modified pin set being provided with motion alteration means adapted so as to alter the

magnitude of its response to an impact-driven blow applied to said tumbler pin, relative to the magnitude of the response of the standard pin assemblies contained in said common cylinder lock,

such that when said tumbler pin is linearly displaced in response to an impact-driven blow of a given intensity, a portion of said impact-driven blow intensity is transmitted to said driver pin, causing it to be linearly displaced, as well, under influence of said motion alteration means,

and while said standard pin assemblies clear the shear line, said driver pin of said modified pin set continues to block the shear line,

consequently, preventing unauthorized manipulation of said cylinder lock,

wherein said motion alteration means of said modified pin assembly comprises a recession formed in one of said pins contained in said pin assembly, and a protrusion, in the other of said pins, for engaging said recession, such that when an impact-driven blow of a given intensity is applied so as to linearly displace said tumbler and driver pins, said pin protrusion engages said pin recession, strongly binding the tumbler and driver pins together.

23. (previously presented) A modified pin assembly in a common cylinder lock, said cylinder lock having a body and cylinder plug containing a plurality of standard pin assemblies, each of said plurality of standard pin assemblies being disposed in a pin chamber, wherein each crosses a shear line, and is linearly displaceable along said pin chamber, each standard pin assembly comprising a tumbler pin, a driver pin and a biasing spring, arranged so as to define a locked cylinder position, in which said driver pin extends beyond the shear line, preventing

rotation of the cylinder plug, said tumbler pin being positioned opposite said driver pin, within said pin chamber,

wherein said modified pin assembly prevents impact-driven manipulation of said lock, said modified pin assembly comprising:

a modified pin set comprising a tumbler pin and driver pin, said modified pin set being provided with motion alteration means adapted so as to alter the magnitude of its response to an impact-driven blow applied to said tumbler pin, relative to the magnitude of the response of the standard pin assemblies contained in said common cylinder lock,

such that when said tumbler pin is linearly displaced in response to an impact-driven blow of a given intensity, a portion of said impact-driven blow intensity is transmitted to said driver pin, causing it to be linearly displaced, as well, under influence of said motion alteration means,

and while said standard pin assemblies clear the shear line, said driver pin of said modified pin set continues to block the shear line,

consequently preventing unauthorized manipulation of said cylinder lock,

wherein said motion alteration means of said modified pin assembly comprises magnetic properties that cause binding of said tumbler pin and driver pin of said modified pin set, so as to travel together and provide different response properties in response to an applied impact-driven blow;

such that when an impact-driven blow of a given intensity is applied so as to linearly displace said tumbler and driver pins, said magnetic properties maintain the tumbler and driver pins bound together.

24. (previously presented) A modified pin assembly in a common cylinder lock, said cylinder lock having a body and cylinder plug containing a plurality of standard pin assemblies, each of said plurality of standard pin assemblies being disposed in a pin chamber, wherein each crosses a shear line, and is linearly displaceable along said pin chamber, each standard pin assembly comprising a tumbler pin, a driver pin and a biasing spring, arranged so as to define a locked cylinder position, in which said driver pin extends beyond the shear line, preventing rotation of the cylinder plug, said tumbler pin being positioned opposite said driver pin, within said pin chamber,

wherein said modified pin assembly prevents impact-driven manipulation of said lock, said modified pin assembly comprising:

a modified pin set comprising a tumbler pin and driver pin, said modified pin set being provided with motion alteration means adapted so as to alter the magnitude of its response to an impact-driven blow applied to said tumbler pin, relative to the magnitude of the response of the standard pin assemblies contained in said common cylinder lock,

such that when said tumbler pin is linearly displaced in response to an impact-driven blow of a given intensity, a portion of said impact-driven blow intensity is transmitted to said driver pin, causing it to be linearly displaced, as well, under influence of said motion alteration means,

and while said standard pin assemblies clear the shear line, said driver pin of said modified pin set continues to block the shear line,

consequently preventing unauthorized manipulation of said cylinder lock,

wherein said motion alteration means of said modified pin assembly is provided by modified strength properties of the biasing spring associated with said modified pin set in relation to biasing springs of said standard pin assemblies, said modified strength properties being sufficient to attain different response properties of said modified pin set to an applied impact-driven blow without resort to pin-bore frictional forces,

causing said continued driver pin blockage of the shear line by said modified pin set.